



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/927,585  
Source: 1600  
Date Processed by STIC: 6/4/2003

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to:  
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
Or  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 04/24/2003



1600

## RAW SEQUENCE LISTING

DATE: 06/04/2003

PATENT APPLICATION: US/09/927,585

TIME: 14:21:35

Input Set : N:\AMC\23355.55.SEQ.LST.txt

Output Set: N:\CRF4\06042003\I927585.raw

3 <110> APPLICANT: HERMONAT, PAUL L.  
 4 KLIMBERG, SUZANNE V.  
 5 LIU, YONG  
 7 <120> TITLE OF INVENTION: COMPOSITIONS, METHODS AND PRODUCTS COMPRISING HUMAN  
 PAPILLOMAVIRUS FOR  
 8 DETECTING AND TREATING A CANCER  
 10 <130> FILE REFERENCE: 23355/55  
 12 <140> CURRENT APPLICATION NUMBER: US 09/927,585  
 13 <141> CURRENT FILING DATE: 2001-08-09  
 15 <150> PRIOR APPLICATION NUMBER: US 60/219,914  
 16 <151> PRIOR FILING DATE: 2000-07-21  
 18 <150> PRIOR APPLICATION NUMBER: US 60/220,210  
 19 <151> PRIOR FILING DATE: 2000-07-22  
 E--> 21 <160> NUMBER OF SEQ ID NOS: 5 4 (see p.3)  
 23 <170> SOFTWARE: PatentIn version 3.1

## ERRORED SEQUENCES

25 <210> SEQ ID NO: 1  
 26 <211> LENGTH: 20  
 27 <212> TYPE: DNA  
 28 <213> ORGANISM: Artificial  
 30 <220> FEATURE:  
 31 <223> OTHER INFORMATION: Based on HPV E6 sequence  
 33 <400> SEQUENCE: 1  
 E--> 34 ~~tgtcaaaaaac cgttgtgtcc~~  
 37 <210> SEQ ID NO: 2  
 38 <211> LENGTH: 20  
 39 <212> TYPE: DNA  
 40 <213> ORGANISM: Artificial  
 42 <220> FEATURE:  
 43 <223> OTHER INFORMATION: Based on HPV E7 sequence  
 45 <400> SEQUENCE: 2  
 E--> 46 ~~tgtcaattcg gtgtacctg~~  
 49 <210> SEQ ID NO: 3  
 50 <211> LENGTH: 20  
 51 <212> TYPE: DNA  
 C--> 52 <213> ORGANISM: Artificial  
 54 <220> FEATURE:  
 55 <223> OTHER INFORMATION: Based on HPV-L1 sequence; m=a or c; r=a or g; w=a or t; y=c  
 or t  
 58 <400> SEQUENCE: 3  
 E--> 59 ~~gcmcagggwc ataayaatgg~~

Does Not Comply  
 Corrected Diskette Needed

(21) 20

(18) 20

20 ← insert  
 cumulative  
 base total  
 at right  
 margin of each line 6/4/03

62 <210> SEQ ID NO: 4

## RAW SEQUENCE LISTING

DATE: 06/04/2003

PATENT APPLICATION: US/09/927,585

TIME: 14:21:35

Input Set : N:\AMC\23355.55.SEQ.LST.txt

Output Set: N:\CRF4\06042003\I927585.raw

63 <211> LENGTH: 20 21 shown  
64 <212> TYPE: DNA  
C--> 65 <213> ORGANISM: Artificial *last sequence in submitted file*  
67 <220> FEATURE:  
68 <223> OTHER INFORMATION: Based on HPV-L1 sequence; m=a or c; r=a or g; w=a or t; y=c  
or t  
70 <400> SEQUENCE: 4  
E--> 71 cgtccmarrg ggawactgatc

21 ← insert cumulative  
base total at  
right margin of  
each line

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/927,585

DATE: 06/04/2003  
TIME: 14:21:36

Input Set : N:\AMC\23355.55.SEQ.LST.txt  
Output Set: N:\CRF4\06042003\I927585.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2

## VERIFICATION SUMMARY

DATE: 06/04/2003

PATENT APPLICATION: US/09/927,585

TIME: 14:21:36

Input Set : N:\AMC\23355.55.SEQ.LST.txt

Output Set: N:\CRF4\06042003\I927585.raw

L:34 M:254 E: No. of Bases conflict, LENGTH:Input:21 Counted:20 SEQ:1  
L:46 M:254 E: No. of Bases conflict, LENGTH:Input:18 Counted:20 SEQ:2  
L:52 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:3  
L:59 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:20 SEQ:3  
L:65 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:4  
L:71 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:21 SEQ:4  
L:71 M:252 E: No. of Seq. differs, <211> LENGTH:Input:20 Found:21 SEQ:4  
L:21 M:203 E: No. of Seq. differs, <160> Number Of Sequences:Input (5) Counted (4)